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- NEWS 2 "Ask CAS" for self-help around the clock
- NEWS 3 FEB 25 CA/CAPLUS - Russian Agency for Patents and Trademarks (ROSPATENT) added to list of core patent offices covered
- NEWS 4 FEB 28 PATDPAFULL - New display fields provide for legal status data from INPADOC
- NEWS 5 FEB 28 BABS - Current-awareness alerts (SDIs) available
- NEWS 6 FEB 28 MEDLINE/IMEDLINE reloaded
- NEWS 7 MAR 02 GBFULL: New full-text patent database on STN
- NEWS 8 MAR 03 REGISTRY/ZREGISTRY - Sequence annotations enhanced
- NEWS 9 MAR 03 MEDLINE file segment of TOXCENTER reloaded
- NEWS 10 MAR 22 KOREAPAT now updated monthly; patent information enhanced
- NEWS 11 MAR 22 Original IDE display format returns to REGISTRY/ZREGISTRY
- NEWS 12 MAR 22 PATDPASPC - New patent database available
- NEWS 13 MAR 22 REGISTRY/ZREGISTRY enhanced with experimental property tags
- NEWS 14 APR 04 EPFULL enhanced with additional patent information and new fields
- NEWS 15 APR 04 EMBASE - Database reloaded and enhanced
- NEWS 16 APR 18 New CAS Information Use Policies available online
- NEWS EXPRESS JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005
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FILE 'HOME' ENTERED AT 16:47:48 ON 20 APR 2005

=> file medline, biosis, uspatful, dgene, embase, wpids, biotechds, jicst, biobusiness		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
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=> s nonarticular cartilage and (regeneration or repair or growth)
L1 11 NONARTICULAR CARTILAGE AND (REGENERATION OR REPAIR OR GROWTH)

=> d 11 ti abs ibib tot

L1 ANSWER 1 OF 11 MEDLINE on STN
TI Structure and chromosomal location of the human gene encoding cartilage matrix protein.
AB Cartilage matrix protein (CMP) is a major component of the extracellular matrix of **nonarticular cartilage**. The structure and chromosomal location of the human gene encoding CMP was determined by molecular cloning analysis. We used a partial chicken CMP cDNA probe to isolate three overlapping human genomic clones. From one of these clones, a probe containing 2 human CMP exons was isolated and used to map the gene to chromosome 1p35 and to screen a human retina cDNA library. Two overlapping cDNA clones were isolated. The predicted protein sequence of 496 amino acids includes a 22-residue signal peptide and a 474-residue mature protein of Mr 51,344. The human CMP gene and polypeptide are strikingly similar to the chicken CMP gene and polypeptide. Human CMP is 79% identical to chicken CMP and contains two homologous domains separated by an epidermal **growth** factor-like domain. One potential N-glycosylation site is conserved between the two species. The human CMP gene spans 12 kilobase pairs with 8 exons and 7 introns which are similar in size to those of the chicken CMP gene. Both RNA splice junctions of intron G in the human and chicken CMP genes are nonconforming to the consensus splice sequences. This suggests that the CMP gene utilizes a new RNA splicing mechanism.

ACCESSION NUMBER: 91060568 MEDLINE
DOCUMENT NUMBER: PubMed ID: 2246248
TITLE: Structure and chromosomal location of the human gene encoding cartilage matrix protein.
AUTHOR: Jenkins R N; Osborne-Lawrence S L; Sinclair A K; Eddy R L Jr; Byers M G; Shows T B; Duby A D
CORPORATE SOURCE: Harold C. Simmons Arthritis Research Center, Dallas, Texas.
CONTRACT NUMBER: GM2040454 (NIGMS)
SOURCE: Journal of biological chemistry, (1990 Nov 15) 265 (32) 19624-31.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-J05666; GENBANK-J05667; GENBANK-M55675;
GENBANK-M55676; GENBANK-M55677; GENBANK-M55678;
GENBANK-M55679; GENBANK-M55680; GENBANK-M55681;
GENBANK-M55682; GENBANK-M55683

ENTRY MONTH: 199101
ENTRY DATE: Entered STN: 19910222
Last Updated on STN: 19910222
Entered Medline: 19910108

L1 ANSWER 2 OF 11 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI STRUCTURE AND CHROMOSOMAL LOCATION OF THE HUMAN GENE ENCODING CARTILAGE
MATRIX PROTEIN.

AB Cartilage matrix protein (CMP) is a major component of the extracellular matrix of **nonarticular cartilage**. The structure and chromosomal location of the human gene encoding CMP was determined by molecular cloning analysis. We used a partial chicken CMP cDNA probe to isolate three overlapping human genomic clones. From one of these clones, probe containing 2 human CMP exons was isolated and used to map the gene to chromosome 1p35 and to screen a human retina cDNA library. Two overlapping cDNA clones were isolated. The predicted protein sequence of 496 amino acids includes a 22-residue signal peptide and a 474-residue mature protein of Mr 51,344. The human CMP gene and polypeptide are strikingly similar to the chicken CMP gene and polypeptide. Human CMP is 79% identical to chicken CMP and contains two homologous domains separated by an epidermal **growth** factor-like domain. One potential N-glycosylation site is conserved between the two species. The human CMP gene spans 12 kilobase pairs with 8 exons and 7 introns which are similar in size to those of the chicken CMP gene. Both RNA splice junctions of intron G in the human and chicken CMP genes are nonconforming to the consensus splice sequences. This suggests that the CMP gene utilizes a new RNA splicing mechanism.

ACCESSION NUMBER: 1991:48847 BIOSIS
DOCUMENT NUMBER: PREV199191027128; BA91:27128
TITLE: STRUCTURE AND CHROMOSOMAL LOCATION OF THE HUMAN GENE
ENCODING CARTILAGE MATRIX PROTEIN.
AUTHOR(S): JENKINS R N [Reprint author]; OSBORNE-LAWRENCE S L;
SINCLAIR A K; EDDY R L JR; BYERS M G; SHOWS T B; DUBY A D
CORPORATE SOURCE: DEP INTERN MED, UNIV TEX SOUTHWESTERN MED CENT, 5323 HARRY
HINES BLVD, DALLAS, TEX 75235-8884, USA
SOURCE: Journal of Biological Chemistry, (1990) Vol. 265, No. 32,
pp. 19624-19631.
CODEN: JBCHA3. ISSN: 0021-9258.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 10 Jan 1991
Last Updated on STN: 10 Jan 1991

L1 ANSWER 3 OF 11 USPATFULL on STN
TI Novel compounds
AB Polypeptides and polynucleotides of the genes set forth in Table 1 and methods for producing such polypeptides by recombinant techniques are disclosed. Also disclosed are methods for utilizing polypeptides and polynucleotides of the genes set forth in Table 1 in diagnostic assays.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:201585 USPATFULL
TITLE: Novel compounds
INVENTOR(S): Agarwal, Panjak, King of Prussia, PA, UNITED STATES
Kabnick, Karen S., Lafayette Hill, PA, UNITED STATES
Lai, Ying-Ta, Upper Darby, PA, UNITED STATES
Murdock, Paul R., Harlow Essex, UNITED KINGDOM
Rizvi, Safia K., Philadelphia, PA, UNITED STATES
Smith, Randall F., Lafayette Hill, PA, UNITED STATES
Xiang, Zhaoying, Fort Lee, NJ, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003139572	A1	20030724
APPLICATION INFO.:	US 2002-239663	A1	20020924 (10)
	WO 2001-US9226		20010322
DOCUMENT TYPE:	Utility		

FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: SMITHKLINE BEECHAM CORPORATION, CORPORATE INTELLECTUAL
 PROPERTY-US, UW2220, P. O. BOX 1539, KING OF PRUSSIA,
 PA, 19406-0939
 NUMBER OF CLAIMS: 7
 EXEMPLARY CLAIM: 1
 LINE COUNT: 4961
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 4 OF 11 USPATFULL on STN
 TI 87 human secreted proteins
 AB The present invention relates to novel human secreted proteins and
 isolated nucleic acids containing the coding regions of the genes
 encoding such proteins. Also provided are vectors, host cells,
 antibodies, and recombinant methods for producing human secreted
 proteins. The invention further relates to diagnostic and therapeutic
 methods useful for diagnosing and treating disorders related to these
 novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:100295 USPATFULL
 TITLE: 87 human secreted proteins
 INVENTOR(S): Young, Paul, Gaithersburg, MD, UNITED STATES
 Greene, John M., Gaithersburg, MD, UNITED STATES
 Ferrie, Ann M., Painted Post, NY, UNITED STATES
 Ruben, Steven M., Olney, MD, UNITED STATES
 Rosen, Craig A., Laytonsville, MD, UNITED STATES
 Duan, Roxanne, Gaithersburg, MD, UNITED STATES
 Hu, Jing-Shan, Mountain View, CA, UNITED STATES
 Florence, Kimberly, Rockville, MD, UNITED STATES
 Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
 Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
 Brewer, Laurie A., St. Paul, MN, UNITED STATES
 Moore, Paul A., Germantown, MD, UNITED STATES
 Shi, Yanggu, Gaithersburg, MD, UNITED STATES
 Lafleur, David W., Washington, DC, UNITED STATES
 Ni, Jian, Germantown, MD, UNITED STATES
 PATENT ASSIGNEE(S): Human Genome Sciences, Inc., Rockville, MD, UNITED
 STATES, 20850 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003069406	A1	20030410
APPLICATION INFO.:	US 2002-143090	A1	20020513 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1998-154707, filed on 17 Sep 1998, PENDING Continuation-in-part of Ser. No. WO 1998-US5311, filed on 19 Mar 1998, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-41277P	19970321 (60)
	US 1997-42344P	19970321 (60)
	US 1997-41276P	19970321 (60)
	US 1997-41281P	19970321 (60)
	US 1997-48094P	19970530 (60)
	US 1997-48350P	19970530 (60)
	US 1997-48188P	19970530 (60)
	US 1997-48135P	19970530 (60)
	US 1997-50937P	19970530 (60)
	US 1997-48187P	19970530 (60)
	US 1997-48099P	19970530 (60)
	US 1997-48352P	19970530 (60)
	US 1997-48186P	19970530 (60)
	US 1997-48069P	19970530 (60)
	US 1997-48095P	19970530 (60)
	US 1997-48131P	19970530 (60)
	US 1997-48096P	19970530 (60)
	US 1997-48355P	19970530 (60)

US 1997-48160P	19970530 (60)
US 1997-48351P	19970530 (60)
US 1997-48154P	19970530 (60)
US 1997-54804P	19970805 (60)
US 1997-56370P	19970819 (60)
US 1997-60862P	19971002 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,
 ROCKVILLE, MD, 20850
 NUMBER OF CLAIMS: 23
 EXEMPLARY CLAIM: 1
 LINE COUNT: 15137
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 5 OF 11 USPATFULL on STN
 TI Secreted protein HFEAF41
 AB The present invention relates to 87 novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:87011 USPATFULL
 TITLE: Secreted protein HFEAF41
 INVENTOR(S): Young, Paul, Gaithersburg, MD, UNITED STATES
 Greene, John M., Gaithersburg, MD, UNITED STATES
 Ferrie, Ann M., Tewksbury, MA, UNITED STATES
 Ruben, Steven M., Olney, MD, UNITED STATES
 Rosen, Craig A., Laytonsville, MD, UNITED STATES
 Duan, Roxanne, Bethesda, MD, UNITED STATES
 Hu, Jing-Shan, Sunnyvale, CA, UNITED STATES
 Florence, Kimberly, Rockville, MD, UNITED STATES
 Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
 Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
 Brewer, Laurie A., St. Paul, MN, UNITED STATES
 Moore, Paul A., Germantown, MD, UNITED STATES
 Shi, Yanggu, Gaithersburg, MD, UNITED STATES
 Lafleur, David W., Washington, DC, UNITED STATES
 Ni, Jian, Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003060619	A1	20030327
APPLICATION INFO.:	US 2001-983966	A1	20011026 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1998-154707, filed on 17 Sep 1998, PENDING Continuation-in-part of Ser. No. WO 1998-US5311, filed on 19 Mar 1998, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-41277P	19970321 (60)
	US 1997-42344P	19970321 (60)
	US 1997-41276P	19970321 (60)
	US 1997-41281P	19970321 (60)
	US 1997-48094P	19970530 (60)
	US 1997-48350P	19970530 (60)
	US 1997-48188P	19970530 (60)
	US 1997-48135P	19970530 (60)
	US 1997-50937P	19970530 (60)
	US 1997-48187P	19970530 (60)
	US 1997-48099P	19970530 (60)
	US 1997-48352P	19970530 (60)
	US 1997-48186P	19970530 (60)
	US 1997-48069P	19970530 (60)

US 1997-48095P	19970530 (60)
US 1997-48131P	19970530 (60)
US 1997-48096P	19970530 (60)
US 1997-48355P	19970530 (60)
US 1997-48160P	19970530 (60)
US 1997-48351P	19970530 (60)
US 1997-48154P	19970530 (60)
US 1997-54804P	19970805 (60)
US 1997-56370P	19970819 (60)
US 1997-60862P	19971002 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: Human Genome Sciences, Inc., 9410 Key West Avenue,
 Rockville, MD, 20850
 NUMBER OF CLAIMS: 70
 EXEMPLARY CLAIM: 1
 LINE COUNT: 15264
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 6 OF 11 USPATFULL on STN
 TI Secreted protein HFEAF41
 AB The present invention relates to 87 novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:72174 USPATFULL
 TITLE: Secreted protein HFEAF41
 INVENTOR(S): Young, Paul, Gaithersburg, MD, UNITED STATES
 Greene, John M., Gaithersburg, MD, UNITED STATES
 Ferrie, Ann M., Tewksbury, MA, UNITED STATES
 Ruben, Steven M., Olney, MD, UNITED STATES
 Rosen, Craig A., Laytonsville, MD, UNITED STATES
 Duan, Roxanne, Bethesda, MD, UNITED STATES
 Hu, Jing-Shan, Sunnyvale, CA, UNITED STATES
 Florence, Kimberly, Rockville, MD, UNITED STATES
 Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
 Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
 Brewer, Laurie A., St. Paul, MN, UNITED STATES
 Moore, Paul A., Germantown, MD, UNITED STATES
 Shi, Yanggu, Gaithersburg, MD, UNITED STATES
 Lafleur, David W., Washington, DC, UNITED STATES
 Ni, Jian, Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003050461	A1	20030313
APPLICATION INFO.:	US 2001-966262	A1	20011001 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1998-154707, filed on 17 Sep 1998, PENDING Continuation-in-part of Ser. No. WO 1998-US5311, filed on 19 Mar 1998, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-41277P	19970321 (60)
	US 1997-42344P	19970321 (60)
	US 1997-41276P	19970321 (60)
	US 1997-41281P	19970321 (60)
	US 1997-48094P	19970530 (60)
	US 1997-48350P	19970530 (60)
	US 1997-48188P	19970530 (60)
	US 1997-48135P	19970530 (60)
	US 1997-50937P	19970530 (60)
	US 1997-48187P	19970530 (60)

US 1997-48099P	19970530 (60)
US 1997-48352P	19970530 (60)
US 1997-48186P	19970530 (60)
US 1997-48069P	19970530 (60)
US 1997-48095P	19970530 (60)
US 1997-48131P	19970530 (60)
US 1997-48096P	19970530 (60)
US 1997-48355P	19970530 (60)
US 1997-48160P	19970530 (60)
US 1997-48351P	19970530 (60)
US 1997-48154P	19970530 (60)
US 1997-54804P	19970805 (60)
US 1997-56370P	19970819 (60)
US 1997-60862P	19971002 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,
ROCKVILLE, MD, 20850
NUMBER OF CLAIMS: 46
EXEMPLARY CLAIM: 1
LINE COUNT: 15105
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 7 OF 11 USPATFULL on STN
TI Secreted protein HFEAF41
AB The present invention relates to 87 novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:24336 USPATFULL
TITLE: Secreted protein HFEAF41
INVENTOR(S): Young, Paul, Gaithersburg, MD, UNITED STATES
Greene, John M., Gaithersburg, MD, UNITED STATES
Ferrie, Ann M., Painted Post, NY, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Duan, Roxanne, Bethesda, MD, UNITED STATES
Hu, Jing-Shan, Mountain View, CA, UNITED STATES
Florence, Kimberly, Rockville, MD, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Brewer, Lauie A., St. Paul, MN, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, VA, UNITED STATES
Lafleur, David W., Washington, DC, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES
PATENT ASSIGNEE(S): Human Genome Sciences, Inc., Rockville, MD (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003018180	A1	20030123
APPLICATION INFO.:	US 2002-59395	A1	20020131 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 2001-966262, filed on 1 Oct 2001, PENDING Continuation of Ser. No. US 1998-154707, filed on 17 Sep 1998, PENDING Continuation-in-part of Ser. No. WO 1998-US5311, filed on 19 Mar 1998, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-41277P	19970321 (60)
	US 1997-42344P	19970321 (60)
	US 1997-41276P	19970321 (60)

US 1997-41281P	19970321 (60)
US 1997-48094P	19970530 (60)
US 1997-48350P	19970530 (60)
US 1997-48188P	19970530 (60)
US 1997-48135P	19970530 (60)
US 1997-50937P	19970530 (60)
US 1997-48187P	19970530 (60)
US 1997-48099P	19970530 (60)
US 1997-48352P	19970530 (60)
US 1997-48186P	19970530 (60)
US 1997-48069P	19970530 (60)
US 1997-48095P	19970530 (60)
US 1997-48131P	19970530 (60)
US 1997-48096P	19970530 (60)
US 1997-48355P	19970530 (60)
US 1997-48160P	19970530 (60)
US 1997-48351P	19970530 (60)
US 1997-48154P	19970530 (60)
US 1997-54804P	19970805 (60)
US 1997-56370P	19970819 (60)
US 1997-60862P	19971002 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,
ROCKVILLE, MD, 20850
NUMBER OF CLAIMS: 52
EXEMPLARY CLAIM: 1
LINE COUNT: 15142
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 8 OF 11 USPATFULL on STN
TI Secreted protein HFEAF41
AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2002:295324 USPATFULL
TITLE: Secreted protein HFEAF41
INVENTOR(S): Young, Paul, Gaithersburg, MD, UNITED STATES
Greene, John M., Gaithersburg, MD, UNITED STATES
Ferrie, Ann M., Tewksburg, MA, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Duan, Roxanne, Bethesda, MD, UNITED STATES
Hu, Jing-Shan, Sunnyvale, CA, UNITED STATES
Florence, Kimberly, Rockville, MD, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Brewer, Laurie A., St. Paul, MN, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Lafleur, David W., Washington, DC, UNITED STATES
Ni, Jian, Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002165374	A1	20021107
APPLICATION INFO.:	US 2001-984245	A1	20011029 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1998-154707, filed on 17 Sep 1998, PENDING Continuation-in-part of Ser. No. WO 1998-US5311, filed on 19 Mar 1998, UNKNOWN		

NUMBER	DATE
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PRIORITY INFORMATION: US 1997-41277P 19970321 (60)
 US 1997-42344P 19970321 (60)
 US 1997-41276P 19970321 (60)
 US 1997-41281P 19970321 (60)
 US 1997-48094P 19970530 (60)
 US 1997-48350P 19970530 (60)
 US 1997-48188P 19970530 (60)
 US 1997-48135P 19970530 (60)
 US 1997-50937P 19970530 (60)
 US 1997-48187P 19970530 (60)
 US 1997-48099P 19970530 (60)
 US 1997-48352P 19970530 (60)
 US 1997-48186P 19970530 (60)
 US 1997-48069P 19970530 (60)
 US 1997-48095P 19970530 (60)
 US 1997-48131P 19970530 (60)
 US 1997-48096P 19970530 (60)
 US 1997-48355P 19970530 (60)
 US 1997-48160P 19970530 (60)
 US 1997-48351P 19970530 (60)
 US 1997-48154P 19970530 (60)
 US 1997-54804P 19970805 (60)
 US 1997-56370P 19970819 (60)
 US 1997-60862P 19971002 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,
 ROCKVILLE, MD, 20850
 NUMBER OF CLAIMS: 23
 EXEMPLARY CLAIM: 1
 LINE COUNT: 15075
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 9 OF 11 USPATFULL on STN
 TI **Repair** of larynx, trachea, and other fibrocartilaginous
 tissues
 AB Provided herein are methods and devices for inducing the formation of
 functional replacement **nonarticular cartilage**
 tissues and ligament tissues. These methods and devices involve the use
 of osteogenic proteins, and are useful in repairing defects in the
 larynx, trachea, interarticular menisci, intervertebral discs, ear,
 nose, ribs and other fibrocartilaginous tissues in a mammal.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2001:165613 USPATFULL
 TITLE: **Repair** of larynx, trachea, and other
 fibrocartilaginous tissues
 INVENTOR(S): Vukicevic, Slobodan, Zagreb, Croatia
 Katic, Vladimir, Zagreb, Croatia
 Sampath, Kuber T., Holliston, MA, United States
 PATENT ASSIGNEE(S): Creative BioMolecules, Inc. (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001024823	A1	20010927
APPLICATION INFO.:	US 2001-828607	A1	20010406 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. WO 1999-US17222, filed on 30 Jul 1999, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-103161P	19981006 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	FISH & NEAVE, 1251 AVENUE OF THE AMERICAS, 50TH FLOOR, NEW YORK, NY, 10020-1105	
NUMBER OF CLAIMS:	56	

EXEMPLARY CLAIM: 1
LINE COUNT: 1859
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 10 OF 11 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN

TI Structure and chromosomal location of the human gene encoding cartilage matrix protein.

AB Cartilage matrix protein (CMP) is a major component of the extracellular matrix of **nonarticular cartilage**. The structure and chromosomal location of the human gene encoding CMP was determined by molecular cloning analysis. We used a partial chicken CMP cDNA probe to isolate three overlapping human genomic clones. From one of these clones, a probe containing 2 human CMP exons was isolated and used to map the gene to chromosome 1p35 and to screen a human retina cDNA library. Two overlapping cDNA clones were isolated. The predicted protein sequence of 496 amino acids includes a 22-residue signal peptide and a 474-residue mature protein of M(r) 51,344. The human CMP gene and polypeptide are strikingly similar to the chicken CMP gene and polypeptide. Human CMP is 79% identical to chicken CMP and contains two homologous domains separated by an epidermal **growth** factor-like domain. One potential N-glycosylation site is conserved between the two species. The human CMP gene spans 12 kilobase pairs with 8 exons and 7 introns which are similar in size to those of the chicken CMP gene. Both RNA splice junctions of intron G in the human and chicken CMP genes are nonconforming to the consensus splice sequences. This suggests that the CMP gene utilizes a new RNA splicing mechanism.

ACCESSION NUMBER: 91017066 EMBASE

DOCUMENT NUMBER: 1991017066

TITLE: Structure and chromosomal location of the human gene encoding cartilage matrix protein.

AUTHOR: Jenkins R.N.; Osborne-Lawrence S.L.; Sinclair A.K.; Eddy Jr. R.L.; Byers M.G.; Shows T.B.; Duby A.D.

CORPORATE SOURCE: Department of Internal Medicine, University of Texas Southwestern Medical Center, 5323 Harry Hines Blvd., Dallas, TX 75235, United States

SOURCE: Journal of Biological Chemistry, (1990) Vol. 265, No. 32, pp. 19624-19631.

ISSN: 0021-9258 CODEN: JBCHA3

COUNTRY: United States

DOCUMENT TYPE: Journal; Article

FILE SEGMENT: 029 Clinical Biochemistry

LANGUAGE: English

SUMMARY LANGUAGE: English

ENTRY DATE: Entered STN: 911216

Last Updated on STN: 911216

L1 ANSWER 11 OF 11 WPIDS COPYRIGHT 2005 THE THOMSON CORP on STN

TI Novel methods for repairing a defect in mammalian **nonarticular cartilage** tissue or ligaments using an osteogenic protein in a biocompatible, bioresorbable carrier.

AN 2000-317644 [27] WPIDS

CR 2000-317706 [27]

AB WO 200020021 A UPAB: 20041026

NOVELTY - Repairing a defect in a **nonarticular cartilage** tissue or a ligament of a mammal, comprising providing an osteogenic protein in a biocompatible, bioresorbable carrier to the defect locus, inducing the formation of functional replacement cartilage, is new.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(1) an implantable device for repairing a defect in a **nonarticular cartilage** tissue comprising an osteogenic protein disposed in a devitalized cartilage, a collagen carrier, or a carboxymethylcellulose carrier; and

(2) promoting chondrogenesis at a defect locus in a mammal comprising providing an osteogenic protein in a devitalized cartilage carrier that is configured to fit into the defect locus.

ACTIVITY - Osteogenic; chondrogenic.

MECHANISM OF ACTION - Osteopathic stimulating implant;
transplantation.

USE - The methods and implants are useful for repairing or correcting a defect in a **nonarticular cartilage** tissue or a ligament of a mammal, e.g. cleft larynx, edema of the glottis, ulceration of the larynx caused by syphilis, tuberculosis or malignancy, defects resulting from mechanical trauma to the larynx or trachea (including tracheotomy and laryngotomy), laryngeal cancer, and defects of the ear, nose, ribs, intervertebral discs, and interarticular menisci.

Dwg.0/0

ACCESSION NUMBER: 2000-317644 [27] WPIDS
CROSS REFERENCE: 2000-317706 [27]
DOC. NO. CPI: C2000-096081
TITLE: Novel methods for repairing a defect in mammalian **nonarticular cartilage** tissue or ligaments using an osteogenic protein in a biocompatible, bioresorbable carrier.
DERWENT CLASS: A96 B04 D22
INVENTOR(S): AN, H; MASUDA, K; THONAR, E J A; KATIC, V; SAMPATH, K T; VUKICEVIC, S
PATENT ASSIGNEE(S): (ANHH-I) AN H; (RUSH-N) RUSH PRESBYTERIAN ST LUKE MEDICAL CENT; (STYC) STRYKER CORP; (CREA-N) CREATIVE BIOMOLECULES INC
COUNTRY COUNT: 23
PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
WO 2000020021	A1	20000413	(200027)*	EN	64
RW: AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE					
W: AU CA JP US					
AU 9952417	A	20000426	(200036)		
EP 1117422	A1	20010725	(200143)	EN	
R: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE					
US 2001024823	A1	20010927	(200159)		
JP 2002526167	W	20020820	(200258)		70
AU 772479	B2	20040429	(200457)		
AU 2004202345	A1	20040624	(200468)#		

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2000020021	A1	WO 1999-US17222	19990730
AU 9952417	A	AU 1999-52417	19990730
EP 1117422	A1	EP 1999-937624	19990730
		WO 1999-US17222	19990730
US 2001024823	A1 Provisional	US 1998-103161P	19981006
	Cont of	WO 1999-US17222	19990730
		US 2001-828607	20010406
JP 2002526167	W	WO 1999-US17222	19990730
		JP 2000-573380	19990730
AU 772479	B2	AU 1999-52417	19990730
AU 2004202345	A1	AU 2004-202345	20040526

FILING DETAILS:

PATENT NO	KIND	PATENT NO
AU 9952417	A Based on	WO 2000020021
EP 1117422	A1 Based on	WO 2000020021
JP 2002526167	W Based on	WO 2000020021
AU 772479	B2 Previous Publ.	AU 9952417
	Based on	WO 2000020021
AU 2004202345	A1 Div ex	AU 770725

PRIORITY APPLN. INFO: US 1998-103161P 19981006; US
2001-828607 20010406; AU

=> d his

(FILE 'HOME' ENTERED AT 16:47:48 ON 20 APR 2005)

FILE 'MEDLINE, BIOSIS, USPATFULL, DGENE, EMBASE, WPIDS, BIOTECHDS,
JICST-EPLUS, BIOBUSINESS' ENTERED AT 16:50:30 ON 20 APR 2005

L1 11 S NONARTICULAR CARTILAGE AND (REGENERATION OR REPAIR OR GROWTH)

=> s bicompatible and (bioresorbable carrier and osteogenic device)

3 FILES SEARCHED...

L2 0 BICOMPATIBLE AND (BIORESORBABLE CARRIER AND OSTEOGENIC DEVICE)

=> s cartilage repair or regrowth or regeneration

L3 454498 CARTILAGE REPAIR OR REGROWTH OR REGENERATION

=> s l3 and nonarticular cartilage

L4 6 L3 AND NONARTICULAR CARTILAGE

=> d l4 ti abs ibib tot

L4 ANSWER 1 OF 6 USPATFULL on STN

TI 87 human secreted proteins

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:100295 USPATFULL

TITLE: 87 human secreted proteins

INVENTOR(S): Young, Paul, Gaithersburg, MD, UNITED STATES
Greene, John M., Gaithersburg, MD, UNITED STATES
Ferrie, Ann M., Painted Post, NY, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Duan, Roxanne, Gaithersburg, MD, UNITED STATES
Hu, Jing-Shan, Mountain View, CA, UNITED STATES
Florence, Kimberly, Rockville, MD, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Brewer, Laurie A., St. Paul, MN, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Lafleur, David W., Washington, DC, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES
PATENT ASSIGNEE(S): Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003069406	A1	20030410
APPLICATION INFO.:	US 2002-143090	A1	20020513 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1998-154707, filed on 17 Sep 1998, PENDING Continuation-in-part of Ser. No. WO 1998-US5311, filed on 19 Mar 1998, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-41277P	19970321 (60)
	US 1997-42344P	19970321 (60)
	US 1997-41276P	19970321 (60)
	US 1997-41281P	19970321 (60)

US 1997-48094P	19970530 (60)
US 1997-48350P	19970530 (60)
US 1997-48188P	19970530 (60)
US 1997-48135P	19970530 (60)
US 1997-50937P	19970530 (60)
US 1997-48187P	19970530 (60)
US 1997-48099P	19970530 (60)
US 1997-48352P	19970530 (60)
US 1997-48186P	19970530 (60)
US 1997-48069P	19970530 (60)
US 1997-48095P	19970530 (60)
US 1997-48131P	19970530 (60)
US 1997-48096P	19970530 (60)
US 1997-48355P	19970530 (60)
US 1997-48160P	19970530 (60)
US 1997-48351P	19970530 (60)
US 1997-48154P	19970530 (60)
US 1997-54804P	19970805 (60)
US 1997-56370P	19970819 (60)
US 1997-60862P	19971002 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,
ROCKVILLE, MD, 20850
NUMBER OF CLAIMS: 23
EXEMPLARY CLAIM: 1
LINE COUNT: 15137
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 2 OF 6 USPATFULL on STN
TI Secreted protein HFEAF41
AB The present invention relates to 87 novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:87011 USPATFULL
TITLE: Secreted protein HFEAF41
INVENTOR(S): Young, Paul, Gaithersburg, MD, UNITED STATES
Greene, John M., Gaithersburg, MD, UNITED STATES
Ferrie, Ann M., Tewksbury, MA, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Duan, Roxanne, Bethesda, MD, UNITED STATES
Hu, Jing-Shan, Sunnyvale, CA, UNITED STATES
Florence, Kimberly, Rockville, MD, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Brewer, Laurie A., St. Paul, MN, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Lafleur, David W., Washington, DC, UNITED STATES
Ni, Jian, Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003060619	A1	20030327
APPLICATION INFO.:	US 2001-983966	A1	20011026 (9)
RELATED, APPLN. INFO.:	Division of Ser. No. US 1998-154707, filed on 17 Sep 1998, PENDING Continuation-in-part of Ser. No. WO 1998-US5311, filed on 19 Mar 1998, UNKNOWN		

NUMBER	DATE
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PRIORITY INFORMATION: US 1997-41277P 19970321 (60)
 US 1997-42344P 19970321 (60)
 US 1997-41276P 19970321 (60)
 US 1997-41281P 19970321 (60)
 US 1997-48094P 19970530 (60)
 US 1997-48350P 19970530 (60)
 US 1997-48188P 19970530 (60)
 US 1997-48135P 19970530 (60)
 US 1997-50937P 19970530 (60)
 US 1997-48187P 19970530 (60)
 US 1997-48099P 19970530 (60)
 US 1997-48352P 19970530 (60)
 US 1997-48186P 19970530 (60)
 US 1997-48069P 19970530 (60)
 US 1997-48095P 19970530 (60)
 US 1997-48131P 19970530 (60)
 US 1997-48096P 19970530 (60)
 US 1997-48355P 19970530 (60)
 US 1997-48160P 19970530 (60)
 US 1997-48351P 19970530 (60)
 US 1997-48154P 19970530 (60)
 US 1997-54804P 19970805 (60)
 US 1997-56370P 19970819 (60)
 US 1997-60862P 19971002 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: Human Genome Sciences, Inc., 9410 Key West Avenue,
 Rockville, MD, 20850
 NUMBER OF CLAIMS: 70
 EXEMPLARY CLAIM: 1
 LINE COUNT: 15264
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 3 OF 6 USPATFULL on STN
 TI Secreted protein HFEAF41
 AB The present invention relates to 87 novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:72174 USPATFULL
 TITLE: Secreted protein HFEAF41
 INVENTOR(S): Young, Paul, Gaithersburg, MD, UNITED STATES
 Greene, John M., Gaithersburg, MD, UNITED STATES
 Ferrie, Ann M., Tewksbury, MA, UNITED STATES
 Ruben, Steven M., Olney, MD, UNITED STATES
 Rosen, Craig A., Laytonsville, MD, UNITED STATES
 Duan, Roxanne, Bethesda, MD, UNITED STATES
 Hu, Jing-Shan, Sunnyvale, CA, UNITED STATES
 Florence, Kimberly, Rockville, MD, UNITED STATES
 Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
 Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
 Brewer, Laurie A., St. Paul, MN, UNITED STATES
 Moore, Paul A., Germantown, MD, UNITED STATES
 Shi, Yanggu, Gaithersburg, MD, UNITED STATES
 Lafleur, David W., Washington, DC, UNITED STATES
 Ni, Jian, Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003050461	A1	20030313
APPLICATION INFO.:	US 2001-966262	A1	20011001 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1998-154707, filed on 17 Sep 1998, PENDING Continuation-in-part of Ser. No. WO		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-41277P	19970321 (60)
	US 1997-42344P	19970321 (60)
	US 1997-41276P	19970321 (60)
	US 1997-41281P	19970321 (60)
	US 1997-48094P	19970530 (60)
	US 1997-48350P	19970530 (60)
	US 1997-48188P	19970530 (60)
	US 1997-48135P	19970530 (60)
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	US 1997-48096P	19970530 (60)
	US 1997-48355P	19970530 (60)
	US 1997-48160P	19970530 (60)
	US 1997-48351P	19970530 (60)
	US 1997-48154P	19970530 (60)
	US 1997-54804P	19970805 (60)
	US 1997-56370P	19970819 (60)
	US 1997-60862P	19971002 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	46	
EXEMPLARY CLAIM:	1	
LINE COUNT:	15105	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		
L4	ANSWER 4 OF 6 USPATFULL on STN	
TI	Secreted protein HFEAF41	
AB	The present invention relates to 87 novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins.	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		
ACCESSION NUMBER:	2003:24336 USPATFULL	
TITLE:	Secreted protein HFEAF41	
INVENTOR(S):	Young, Paul, Gaithersburg, MD, UNITED STATES Greene, John M., Gaithersburg, MD, UNITED STATES Ferrie, Ann M., Painted Post, NY, UNITED STATES Ruben, Steven M., Olney, MD, UNITED STATES Rosen, Craig A., Laytonsville, MD, UNITED STATES Duan, Roxanne, Bethesda, MD, UNITED STATES Hu, Jing-Shan, Mountain View, CA, UNITED STATES Florence, Kimberly, Rockville, MD, UNITED STATES Olsen, Henrik S., Gaithersburg, MD, UNITED STATES Ebner, Reinhard, Gaithersburg, MD, UNITED STATES Brewer, Laurie A., St. Paul, MN, UNITED STATES Moore, Paul A., Germantown, MD, UNITED STATES Shi, Yanggu, Gaithersburg, VA, UNITED STATES Lafleur, David W., Washington, DC, UNITED STATES Ni, Jian, Germantown, MD, UNITED STATES	
PATENT ASSIGNEE(S):	Human Genome Sciences, Inc., Rockville, MD (U.S. corporation)	

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003018180	A1	20030123
APPLICATION INFO.:	US 2002-59395	A1	20020131 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 2001-966262, filed on 1 Oct 2001, PENDING Continuation of Ser. No. US 1998-154707, filed on 17 Sep 1998, PENDING Continuation-in-part of Ser. No. WO 1998-US5311, filed on 19 Mar 1998, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-41277P	19970321 (60)
	US 1997-42344P	19970321 (60)
	US 1997-41276P	19970321 (60)
	US 1997-41281P	19970321 (60)
	US 1997-48094P	19970530 (60)
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	US 1997-48096P	19970530 (60)
	US 1997-48355P	19970530 (60)
	US 1997-48160P	19970530 (60)
	US 1997-48351P	19970530 (60)
	US 1997-48154P	19970530 (60)
	US 1997-54804P	19970805 (60)
	US 1997-56370P	19970819 (60)
	US 1997-60862P	19971002 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850
NUMBER OF CLAIMS: 52
EXEMPLARY CLAIM: 1
LINE COUNT: 15142
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 5 OF 6 USPATFULL on STN
TI Secreted protein HFEAF41
AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2002:295324 USPATFULL
TITLE: Secreted protein HFEAF41
INVENTOR(S): Young, Paul, Gaithersburg, MD, UNITED STATES
Greene, John M., Gaithersburg, MD, UNITED STATES
Ferrie, Ann M., Tewksburg, MA, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Rosen, Craig A., Laytonville, MD, UNITED STATES
Duan, Roxanne, Bethesda, MD, UNITED STATES
Hu, Jing-Shan, Sunnyvale, CA, UNITED STATES
Florence, Kimberly, Rockville, MD, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Brewer, Laurie A., St. Paul, MN, UNITED STATES

Moore, Paul A., Germantown, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Lafleur, David W., Washington, DC, UNITED STATES
Ni, Jian, Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002165374	A1	20021107
APPLICATION INFO.:	US 2001-984245	A1	20011029 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1998-154707, filed on 17 Sep 1998, PENDING Continuation-in-part of Ser. No. WO 1998-US5311, filed on 19 Mar 1998, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-41277P	19970321 (60)
	US 1997-42344P	19970321 (60)
	US 1997-41276P	19970321 (60)
	US 1997-41281P	19970321 (60)
	US 1997-48094P	19970530 (60)
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	US 1997-48095P	19970530 (60)
	US 1997-48131P	19970530 (60)
	US 1997-48096P	19970530 (60)
	US 1997-48355P	19970530 (60)
	US 1997-48160P	19970530 (60)
	US 1997-48351P	19970530 (60)
	US 1997-48154P	19970530 (60)
	US 1997-54804P	19970805 (60)
	US 1997-56370P	19970819 (60)
	US 1997-60862P	19971002 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,
ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 23
EXEMPLARY CLAIM: 1
LINE COUNT: 15075
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 6 OF 6 USPATFULL on STN
TI Repair of larynx, trachea, and other fibrocartilaginous tissues
AB Provided herein are methods and devices for inducing the formation of functional replacement **nonarticular cartilage** tissues and ligament tissues. These methods and devices involve the use of osteogenic proteins, and are useful in repairing defects in the larynx, trachea, interarticular menisci, intervertebral discs, ear, nose, ribs and other fibrocartilaginous tissues in a mammal.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2001:165613 USPATFULL
TITLE: Repair of larynx, trachea, and other fibrocartilaginous tissues
INVENTOR(S): Vukicevic, Slobodan, Zagreb, Croatia
Katic, Vladimir, Zagreb, Croatia
Sampath, Kuber T., Holliston, MA, United States
PATENT ASSIGNEE(S): Creative BioMolecules, Inc. (non-U.S. corporation)

NUMBER	KIND	DATE
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PATENT INFORMATION: US 2001024823 A1 20010927
APPLICATION INFO.: US 2001-828607 A1 20010406 (9)
RELATED APPLN. INFO.: Continuation of Ser. No. WO 1999-US17222, filed on 30
Jul 1999, UNKNOWN

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-103161P	19981006 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	FISH & NEAVE, 1251 AVENUE OF THE AMERICAS, 50TH FLOOR, NEW YORK, NY, 10020-1105	
NUMBER OF CLAIMS:	56	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1859	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

Refine Search

Search Results -

Terms	Documents
L8 and L7	0

Database:

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

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DATE: Wednesday, April 20, 2005 [Printable Copy](#) [Create Case](#)

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DB=USPT; PLUR=YES; OP=OR

Hit Count Set Name

result set

<u>L9</u>	L8 and l7	0	<u>L9</u>
<u>L8</u>	slobodan.in.	152	<u>L8</u>
<u>L7</u>	L6 and (osteogenic device)	131	<u>L7</u>
<u>L6</u>	L4 and (implant)	133	<u>L6</u>
<u>L5</u>	L4 and osteogenic device	1990698	<u>L5</u>
<u>L4</u>	L3 and GDF	225	<u>L4</u>
<u>L3</u>	L2 and (BMP or OP)	2757	<u>L3</u>
<u>L2</u>	L1 and defect locus	63704	<u>L2</u>
<u>L1</u>	nonarticular cartilage repair or regeneration or regrowth	180003	<u>L1</u>

END OF SEARCH HISTORY